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SECRET

CHAL-0550
Copy 4 of 6

30 January 1959

MEMORANDUM FOR THE RECORD

Subject:	Visit to	Com	erning .	1-75			
1. The undersigned visited 28 January 1959 to discuss feasibility of installing the J-75-F2 (Havy) Engine in the U-2.							
2.	The under	signed and	الله مستنس الله مستنس	net with	representatives,		

- A. Conversion of the J-57-31: Conversion of the J-57 to permit higher operating temperatures to attain additional altitude was not considered since the J-75-P2 promised greater gains that could not be achieved by converting the J-57-31.
- B. The J-75-P2 (Mon-efterburner type) is presently under production contract by the Havy to power the "Skymaster." The Skymaster program has been cutback by the Havy which should make sufficient engines available for test purposes.
- C. All concerned agreed that the first step would be for
  to make available two engines to
  conversion. is presently borrowing two engines
  from the Mayy which will be diverted from production.
- D. Upon receipt of these two engines notify immediate airlift of one to Burbank in order that Kelly Johnson can start fitting. The second engine will remain and be converted as fitting progressess at Burbank.

## 3. Problems:

- A. Mounting: The J-75 will probably have to be changed from top to side mounting because of top clearance which will require structural changes in the "Bird."
- B. Additional Weight: Approximately 1,250 pounds will be added from engine alone not counting structural changes that will add weight which will reduce range.

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CHAL-0550 PACE TWO

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c.	could present proble would produce appro-	chieve an altitude in ans in landing became simutely 50-60%. culd be overcome by a	acrease. This se idle position stated
D.	weight the range wi factor, but by usin	eased consumption and ll decrease to a pres g slipper tanks it w profile of a non-slip	sently unknown is assumed that
E.		would not hazer but conservative esti of 2,500 feet.	
F.	assist in installat individuals have be processing. It is be processed as rep that one of the ind	personnel will a entry at lockheed as ion and testing. PRI en given to security recommended that thesidly as possible due ividuals will accompanied could be within the lock.	of the two for post-haste se clearances to the fact any the first
promising in that greater	mary: Application of respect to altitude gains will be possible herefore, it is recon to accomplish necessi	gain. This writer in ble based on prior per manded that this pro-	is of the opinion rformance of
Dist: 0 -	January 1959) Operations	CAPTAIN	USAP

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i.

3 - Security ∠ Contracts

6 - Mat Chrono File

5 - R&D